

OMWT-DIPOLE-900-25

OMNIDIRECTIONAL ANTENNA

INSTRUCTION SHEET

M4112-0205

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This is a rugged 3 dB gain omni optimized for wide bandwidth, all weather performance. The broad vertical beamwidth provides wide area coverage and no field tuning is required to obtain maximum performance.

The all-brass center fed dipole delivers a clean radiation pattern without ground radials.

Key Features

- Encased in a heavy wall fiberglass radome for superior weather resistance
- Flexible feedline with N Female termination simplifies the final installation
- Stainless steel V-Bolts and customer V-Blocks for easy and secure mounting
- Individually factory tested

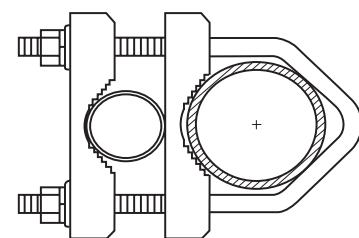
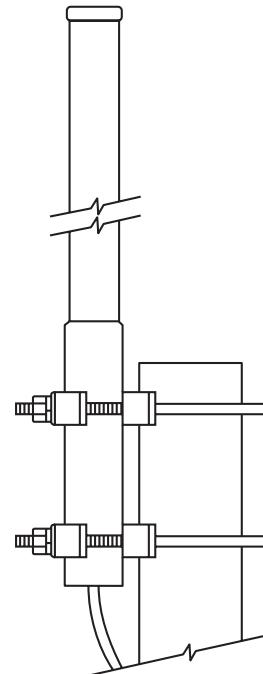
Electrical Specifications

Frequency Range, MHz	902-928
Gain, dBd	3 dB
VSWR (50 Ohms)	1.5:1 typical
2:1 Bandwidth, MHz	26 minimum
3 d13 Beamwidth E/H Planes, Degrees	331360
Maximum Power, Watts	50*
Termination, Feet (m), Coax	N Female, 1 (.3), RG58 type
Polarization	Vertical

*Limited by feedline. Higher power ratings are available as an option.

Mechanical Specifications

Overall Length, Inches (cm)	30 (76)
Radome Material	1.0" OD; 0.125" wall Fiberglass
Element Material	All-brass components
Mast Diameter, Inches, (cm)	1.25-2.0 (3.2-.5.1)
Mounting Hardware	Base to mast, supplied
Wind Surface Areas, feet (m ²)	0.14 (.013)
Wind Survival, mph (kph)	150 (240)
Weight, pounds (kg)	2.0 (0.9)



TOP VIEW

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If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR WARRANTY RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR NON-WARRANTY REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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